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FROM: Brett L. Bornsen

DATE: November 9, 2004

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NUMBER OF PAGES (including this page): 9

EMAIL: bbornsen@dsoblaw.com

TO: Mail Stop: Amendment  
Commissioner for Patents

TELEPHONE:

RE: Application No. 09/840,428  
Filing Date: 04/23/1001  
Inventor: Salvador Cerda, Jr.  
Art Group: 2634  
Examiner: Harry Vartanian  
Attorney Docket No. 1543

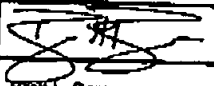
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**MESSAGE**Attachments: Transmittal Form - 1 page  
Response to Office Action - 7 pages**IF YOU DO NOT RECEIVE ALL PAGES, PLEASE CALL 303-938-8999**

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|   |                      |                        |      |
|---|----------------------|------------------------|------|
| <b>TRANSMITTAL FORM</b><br><br>(to be used for all correspondence after initial filing) | Application Number   | 09/840,428             |      |
|   | Confirmation Number  | 4194                   |      |
|   | Filing Date          | 04/23/2001             |      |
|   | First Named Inventor | Salvador Cerda, Jr.    |      |
|   | Art Unit             | 2634                   |      |
|   | Examiner Name        | Harry Vartanian        |      |
| Total Number of Pages in This Submission  | 8                    | Attorney Docket Number | 1543 |

| ENCLOSURES (check all that apply)   |  |  |
|---|--|--|
| <input type="checkbox"/> Fee Transmittal Form<br><input type="checkbox"/> Fee Attached<br><input checked="" type="checkbox"/> Amendment / Reply<br><input type="checkbox"/> After Final<br><input type="checkbox"/> Affidavits/declaration(s)<br><input type="checkbox"/> Extension of Time Request<br><input type="checkbox"/> Express Abandonment Request<br><input type="checkbox"/> Information Disclosure Statement<br><input type="checkbox"/> Certified Copy of Priority Document(s)<br><input type="checkbox"/> Reply to Missing Parts/ Incomplete Application<br><input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53 | <input type="checkbox"/> Drawing(s)<br><input type="checkbox"/> Licensing-related Papers<br><input type="checkbox"/> Petition<br><input type="checkbox"/> Petition to Convert to a Provisional Application<br><input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address<br><input type="checkbox"/> Terminal Disclaimer<br><input type="checkbox"/> Request for Refund<br><input type="checkbox"/> CD, Number of CD(s) _____<br><input type="checkbox"/> Landscape Table on CD | <input type="checkbox"/> After Allowance Communication to TC<br><input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences<br><input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)<br><input type="checkbox"/> Proprietary Information<br><input type="checkbox"/> Status Letter<br><input type="checkbox"/> Other Enclosure(s) (please identify below): |
| <b>Remarks</b><br>It is believed that no fees are due in this matter. However, if it is determined that fees are due, the Commissioner is authorized to debit Deposit Account 210763 for any required fees.   |  |  |
| <b>SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT</b>   |  |  |
| Firm  |  |  |
| Signature   |   |  |
| Printed Name  | Brett L. Bornsen   |  |
| Date  | November 9, 2004   | Reg. No. 48,566  |

| CERTIFICATE OF TRANSMISSION/MAILING   |   |
|---|---|
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| Signature   |  |
| Typed or printed name   | Linda L. Leonard  |
| Date  | November 9, 2004  |

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**NOV 09 2004**

**Practitioner's Docket No. 1543**

***PATENT***

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of: Salvador Cerda, Jr.

Application No.: 09/840,428

Group No.: 2634

Filed: 04/23/2001

Examiner: Harry Vartanian

For: INCREASED DIGITAL BANDWIDTH CARRIED ON AN ANALOG SIGNAL CYCLE  
USING A DATA STRUCTURE

**Mail Stop: Amendment**

Commissioner for Patents

P. O. Box 1450

Alexandria, VA 22313-1450

**RESPONSE TO OFFICE ACTION**

**Introductory Comments**

In response to an Office action dated September 21, 2004, please enter the following amendments and consider the following remarks.